

Title (en)
COPOLYESTER CONTAINING ISOPHTHALIC ACID, 1,4-CYCLOHEXANEDIMETHANOL AND AN ULTRAVIOLET LIGHT ABSORBING-COMPOUND AND ARTICLES MADE THEREFROM

Title (de)
COPOLYESTER AUF DER BASIS VON ISOPHTHALSÄURE ENTHALTEND EINE UV-LICHT ABSORBIERENDE VERBINDUNG

Title (fr)
COPOLYESTER CONTENANT DE L'ACIDE ISOPHTHALIQUE, DU 1,4-CYCLOHEXANEDIMETHANOL ET UN COMPOSE D'ABSORPTION DE RAYONNEMENT ULTRAVIOLET ET ARTICLES FABRIQUES A PARTIR DE CELUI-CI

Publication
EP 1242527 A1 20020925 (EN)

Application
EP 00976784 A 20001101

Priority
• US 0030088 W 20001101
• US 45950099 A 19991213

Abstract (en)
[origin: WO0142346A1] A copolyester blend resistant to ultraviolet radiation includes a polyethylene terephthalate based copolyester having 1,4-cyclohexanedimethanol; an effective amount of an ultraviolet radiation absorber selected from the group consisting of benzoxazinones, dimeric benzotriazoles, triazines and mixtures thereof; and from about 5 mol % to about 40 mol % isophthalic acid residues present in the copolyester wherein the mole percent is based on 100 mole percent of dicarboxylic acid or equivalents. The copolyester blend is useful in making UV radiation resistant thermoformed articles.

IPC 1-7
C08K 5/3437; **C08K 5/3475**; **C08K 5/3492**; **C08L 67/02**; **C08K 5/00**

IPC 8 full level
B32B 27/36 (2006.01); **C08K 5/3467** (2006.01); **C08K 5/3475** (2006.01); **C08K 5/3492** (2006.01); **C08K 5/35** (2006.01); **C08K 5/357** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP US)
C08K 5/3475 (2013.01 - EP US); **C08K 5/3492** (2013.01 - EP US); **C08K 5/357** (2013.01 - EP US); **Y10T 428/31786** (2015.04 - EP US)

Citation (search report)
See references of WO 0142346A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI

DOCDB simple family (publication)
WO 0142346 A1 20010614; CN 1409737 A 20030409; EP 1242527 A1 20020925; JP 2003516448 A 20030513; US 6368724 B1 20020409

DOCDB simple family (application)
US 0030088 W 20001101; CN 00816956 A 20001101; EP 00976784 A 20001101; JP 2001543637 A 20001101; US 45950099 A 19991213